

## CLAIMS

What is claimed is:

1           1. A method comprising:  
2           converting bytecodes into a graph of jop objects to track where jump  
3           operations pointed before modification of said bytecodes;  
4           adjusting constant pool references from local to global numbers based on  
5           said graph; and  
6           combining said bytecodes into a bundle.

1           2. The method as in claim 1 wherein adjusting further comprises:  
2           combining redundant constant pool entries to form a single global  
3           constant pool entry in a shared constant pool within said bundle.

1           3. The method as in claim 2 wherein one of said global constant pool  
2           entries is a methodref entry and an element identified by said global constant  
3           pool entry is a method copied to said bundle.

1           4. The method as in claim 2 wherein one of said global constant pool  
2           entries is a fieldref entry and an element identified by said global constant pool  
3           entry is a field copied to said bundle.s

1           5. The method as in claim 1 further comprising:  
2           performing a validation to insure that all constant pool references are  
3           properly resolved within said bundle.

